



MI-CW2607

# Michigan Crop Weather

July 2, 2007

## Dry but Cooler

Six days were suitable for fieldwork during the week ending July 1, according to the USDA, NASS, Michigan Field Office. Precipitation varied from none in the eastern Upper Peninsula and northwest and west central Lower Peninsula to 0.83 inches in the southeast Lower Peninsula. Average temperatures ranged from 2 degree below normal in the western Upper Peninsula and northwest and west central Lower Peninsula to 1 degree above normal in the central Lower Peninsula. Scattered rain fell across the southern and central part of the State. A farmer in the Thumb mentioned that, "Variable rainfall helped some crops but was not widespread. Those areas without the rain are showing more drought stress symptoms." Another farmer in the southeast said that, "Rain, heavy in places, came June 27 and halted fieldwork. Some areas received up to 4 inches but most places received less than an inch."

## Field Crops

Dry conditions continued across the State. Scattered precipitation during the week fell short of growers' expectations, as soil moisture was reported as short in most areas. **Corn** condition varied depending on the amount of rainfall received. In areas where little to no rain was received, corn was stressed and rolling was visible. **Soybean** growth was steady and slow with most stands reported in good condition. Soybean fields began to flower in some areas. Soybean aphids were still present in low numbers. Early planed **oats** continued to head out in good condition in many areas. **Barley** progressed well. **Alfalfa** re-growth was slow; the second cutting was underway in some areas. Potato leaf hoppers continued to actively feed. **Dry bean** planting was completed. Where there was adequate moisture, emerged fields had very good stands. **Sugarbeets** continued to add growth and fill rows in many fields. **Wheat** rapidly ripened in the warm weather. Wheat was drying down in some areas while harvest began in other areas. Disease problems were noted, and reports were mixed on the quality of the crop.

## Fruit

**Apples** ranged from 1.3 inches in the northwest to 1.75 to 2.00 inches in the southeast. European red mite numbers were increasing in some orchards. Harvest of early varieties of **blueberries** continued. Some growers were irrigating to enhance berry sizing. **Peaches** were 1.25 to 1.5 inches in diameter in the southwest. Harvest of summer **raspberries** began. **Plums** were about 1.0 inch in diameter across the State. **Tart cherry** harvesting continued in the southwest and was set to begin in the west central; fruit were 16 mm in the northwest. **Sweet cherries** were 20 to 21 mm in the northwest; harvest continued elsewhere. Concord **grapes** were at berry touch in the southwest, and vinifera were at buckshot berry. Chardonnay grapes were at early buckshot in the northwest. **Strawberry** harvest wrapped up, and field renovation began.

## Vegetables

Vegetable growers continued to irrigate where available. **Carrots** benefited from recent rains, but there were reports of uneven growth in some fields. **Celery** planting continued and there were reports of limited harvest. **Cabbage** and **lettuce** harvest continued. Success in establishing late season cabbage transplants was dependent on the amount of irrigation available. Early harvested market **potatoes** have appeared at farmer's markets. There were some reports of leafhopper pressures that growers have been able to control. Tasseling in **sweet corn** fields was reported across the State. Stewart's bacterial wilt and European corn borers continued to be reported in fields across the State. **Watermelon** and **cantaloup** fruit were sizing well in the southwest. **Cucumber**, **zucchini**, and **yellow squash** continued to grow. In the southeast area, there were two reports of downy mildew. **Pumpkin** and **winter squash** crops continued to grow. **Tomato**, **pepper**, and **eggplant** crops were developing well. **Onions**, **leeks**, **red beets**, and **radishes** continued to grow. In the west central area, there were reports of some onion and leek fields being pressured by thrips. **Snap bean** plantings continued on both irrigated and dryland fields. **Spinach** harvest began.

Soil moisture for week ending 07/01/07

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	36	35	25	4
Subsoil	21	45	31	3

Crop condition for week ending 07/01/07

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	3	18	40	35	4
Barley	1	7	25	60	7
Corn	1	9	27	51	12
Dry beans	2	7	32	56	3
Oats	3	12	35	39	11
Pasture	7	24	38	29	2
Soybeans	3	7	26	53	11
Winter Wheat	2	12	41	36	9

Crop progress for week ending 07/01/07

Crop	This week	Last week	Last year	5-year average
		Inches	Inches	Inches
Corn, height	34	24	26	22
	Percent	Percent	Percent	Percent
All hay, first cutting	92	84	89	84
All hay, second cutting	12	4	18	10
Dry beans, emerged	98	88	95	80
Oats, headed	80	60	84	72
Oats, turning yellow	13	NA	5	7
Soybeans, blooming	13	NA	NA	1
Strawberries, harvested	89	77	62	81
Tart cherries, harvested	28	9	14	9
Winter wheat, turning yellow	96	81	87	65
Winter wheat, harvested	3	0	0	0

**Michigan Weather Summary for Week Ending 07/01/07<sup>1</sup>**

Station	Temperature			Cumulative growing degree days <sup>2</sup>			Precipitation					
	Maximum	Minimum	Departure from normal	2007	2006	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
										Since April 1	For month	
Ironwood	91	36	-2	928	876	690	0.06	0.74	1.99	5.88	9.40	3.42
Marquette	89	38		862	796		0.00	0.88	1.68	8.51		
Stephenson	90	36		949	916		0.00	0.59	3.11	5.68		
<b>Western UP</b>	<b>92</b>	<b>36</b>		<b>901</b>	<b>838</b>		<b>0.03</b>	<b>0.70</b>	<b>1.90</b>	<b>5.54</b>		
Cornell	86	37	-1	859	832	546	0.00	0.79	2.49	4.88	8.86	3.19
Sault St Marie	86	43		831	777		0.00	0.62	1.62	5.63		
<b>Eastern UP</b>	<b>90</b>	<b>31</b>		<b>817</b>	<b>769</b>		<b>0.00</b>	<b>0.80</b>	<b>2.06</b>	<b>7.17</b>		
Beulah	88	45		1,014	941		0.00	0.71	1.84	7.95		
Lake City	87	41	-2	946	907	807	0.02	1.10	2.61	8.96	8.48	2.99
Old Mission	91	43		934	897		0.00	1.22	1.73	4.48		
Pellston	89	34		949	925		0.00	0.70	1.29	4.42		
<b>Northwest</b>	<b>91</b>	<b>34</b>		<b>937</b>	<b>880</b>		<b>0.00</b>	<b>1.22</b>	<b>2.09</b>	<b>6.47</b>		
Alpena	90	43	-1	960	913	768	0.14	0.74	1.47	7.92	8.34	3.18
Houghton Lake	89	40		991	956		0.13	1.46	2.68	8.56		
Rogers City	90	42		967	905		0.05	1.07	2.38	8.28		
<b>Northeast</b>	<b>91</b>	<b>34</b>		<b>975</b>	<b>938</b>		<b>0.07</b>	<b>1.01</b>	<b>2.26</b>	<b>8.37</b>		
Fremont	88	46	-2	1,091	1,027	903	0.00	0.50	0.74	7.73	8.85	2.54
Hart	88	41		1,032	930		0.00	0.64	1.10	6.03		
Muskegon	87	48		1,103	982		0.00	0.48	0.71	7.02		
<b>West Central</b>	<b>91</b>	<b>40</b>		<b>1,061</b>	<b>979</b>		<b>0.00</b>	<b>0.90</b>	<b>1.36</b>	<b>7.50</b>		
Alma	92	51	1	1,172	1,088	959	0.00	0.62	0.68	8.03	9.34	2.97
Big Rapids	91	47		1,093	987		0.06	0.57	0.68	5.29		
<b>Central</b>	<b>92</b>	<b>47</b>		<b>1,123</b>	<b>1,038</b>		<b>0.05</b>	<b>0.56</b>	<b>0.68</b>	<b>6.51</b>		
Bad Axe	93	47		1,030	1,003		0.00	0.16	0.96	6.12		
Pigeon	92	42	-1	1,011	1,016	938	0.00	0.28	1.14	7.14	8.39	2.92
Saginaw	92	50		1,162	1,047		0.56	0.85	1.33	7.45		
Standish	92	45		1,045	996		0.36	0.74	1.38	7.76		
<b>East Central</b>	<b>93</b>	<b>42</b>		<b>1,033</b>	<b>1,026</b>		<b>0.24</b>	<b>0.49</b>	<b>1.01</b>	<b>7.05</b>		
Fennville	87	47	0	1,106	961	1,029	0.18	0.45	0.51	7.01	10.05	3.09
Grand Rapids	90	53		1,245	1,112		0.20	0.76	1.07	8.83		
Holland	89	43		1,239	1,064		0.41	0.89	1.20	7.36		
South Bend, IN	89	54		1,349	1,148		0.22	0.47	0.85	7.62		
Watervliet	89	49	-1	1,220	1,089	1,030	0.14	0.47	0.64	7.51	9.76	3.22
<b>Southwest</b>	<b>93</b>	<b>43</b>		<b>1,217</b>	<b>1,069</b>		<b>0.15</b>	<b>0.53</b>	<b>0.72</b>	<b>7.77</b>		
Belding	89	46		1,108	1,044		0.12	0.20	0.38	6.34		
Coldwater	90	50		1,137	1,074		0.78	1.28	1.47	8.52		
Lansing	91	51	-1	1,165	1,096	1,117	1.77	2.02	2.13	9.30	8.71	3.11
<b>South Central</b>	<b>91</b>	<b>46</b>		<b>1,146</b>	<b>1,117</b>		<b>0.71</b>	<b>1.21</b>	<b>1.37</b>	<b>8.71</b>		
Detroit	91	55		1,268	1,216	997	1.58	1.75	1.80	7.98		
Flint	91	50		1,150	1,059		0.53	1.11	1.61	10.43		
Romeo	91	47	-1	1,100	1,131		0.77	0.98	1.68	11.10		
Tipton	90	50		1,161	1,095		0.99	1.26	1.29	9.13		
Toledo, OH	92	53	-1	1,270	1,224	8.47	2.66	2.79	3.36	12.43	9.50	3.11
<b>Southeast</b>	<b>93</b>	<b>44</b>		<b>1,158</b>	<b>1,144</b>		<b>0.83</b>	<b>1.18</b>	<b>1.52</b>	<b>8.47</b>		

<sup>1</sup> Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

<sup>2</sup> Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.